

SEC III - Technical Guide  
Guidance Documents - Cropland  
**GUIDANCE DOCUMENT**

**Present Resource Condition**

**Identified Problems:**

**Location:** MLRA 103  
**Soils:** 107 Webster Silty Clay Loam  
**Slope Length:** 350ft  
**Land Use:** Cropland (Corn-Soybeans)  
**Applied Practices:** Previous converted wetland  
**Tillage Operation:** Fall Mulch Corn, 20%  
Spr Mulch Beans 20%

Wind erosion is at 4 tons/acre. Excess subsurface **Slope:** 1 moisture restricts plant growth. Pesticides and nutrients contaminate surface and groundwater. Ephemeral gullies are present.

SOIL					WATER					AIR		ANIMAL	
RMS Practices	RESOURCE CONCERNS	Eros.	Cond.	Depos.	Quan.	Qual.			Quality	Habitat			
	Com-	Dam-	age	Excess	Pest.	Nutr-	Sedi-	Part-	Chem.	Cover/			
	Wind	Ephem	Tilth	pac-	Off-	Runoff	ient	ment	icles	Drift			
Present Condition	SIG-	MOD-	SL-	MOD-	SIG-	MOD-	MOD-	SIG-	MOD-	0	0	SL-	
Alternative #1													
412 Grass Waterway	0	SIG+	0	0	SL+	MOD+	SL+	SL+	MOD+	0	0	MOD+	
329 Ridge Till 40% Corn, 30% Bean	SIG+	SL+	MOD+	MOD+	MOD+	MOD+	MOD+	SL+	MOD+	SIG+	0	SL+	
590 Nutr. Mgmt.	0	0	0	0	0	0	0	SIG+	0	0	0	0	
595 Pest Mgmt.	0	0	0	0	0	NA	SIG+	0	0	0	SL+	SL-	
Supplemental Practices (Streams/Rivers present)													
393 Filter Strip	0	0	0	0	SIG+	SIG+	SIG+	SIG+	SL+	SL+	MOD+		
391 Riparian Forest Buffer	0	0	0	0	SIG+	SIG+	SIG+	SIG+	SL+	SL+	MOD+		

The values are recorded using NA = Not Applicable; + = Positive effect; - = Negative effect; 0 = negligible effects.  
The modifiers SL = Slight; MOD = Moderate; or SIG = Significant denote the range of effects.

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										SOIL	WATER				AIR		ANIMAL	
RMS	RESOURCE CONCERNS	Eros.	Cond.	Depos.	Quan.				Qual.	Quality		Habitat						
		Practices	Com-	Dam-	age	Wind	Ephem	Tilth	pac-	Off-	Excess	Pest.	Nutr-	Sedi-	Part-	Chem.	Cover/	
											Runoff	Mgmt.	ient	ment	icles	Drift	Shelter	
	<b>Present Condition</b>	SIG+	MOD-	SL-	MOD-	SIG-				0	MOD-	SIG-	MOD-	MOD-	0	0	SL-	
	<b>Alternative #2</b>																	
606	Subsurf. Drain	SL-	SL+	MOD+	MOD+	0				SL+	0	SL-	SL+	NA	NA	NA	0	
329	Cons. Tillage	SIG+	MOD+	MOD+	MOD+	MOD+				SL+	SL+	SL+	MOD+	SIG+	0	SL+		
	Spr. Mulch Corn 40%																	
	Spr. Mulch Bean 30%																	
412	Grass Waterway	0	SIG+	0	0	SL+				MOD+	SL+	SL+	MOD+	0	0	0	MOD+	
590	Nutr. Mgmt.	0	0	0	0	0				0	0	SIG+	0	0	0	0	0	
595	Pest Mgmt.	0	0	0	0	0				NA	SIG+	0	0	0	0	SL+	SL-	
<b>Supplemental Practices (Streams/Rivers present)</b>																		
393	Filter Strip	0	0	0	0	SIG+				SIG+	SIG+	SIG+	SIG+	SL+	SL+	SL+	MOD+	
391	Riparian Forest Buffer	0	0	0	0	SIG+				SIG+	SIG+	SIG+	SIG+	SL+	SL+	SL+	MOD+	

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